INDEX TO VOLUME 31

SUBJECT INDEX

*Starred items are "Shorter Notes"

A. Algebra and Number Theory

05. Combinatorics

Ummel, Brian R. *Some examples relating the deleted product of imbeddability*, 307.

06. Order, Lattices, Ordered Algebraic Structures

DeMarr, Ralph and Steger, Arthur. *On elements with negative squares*, 57.

Glass, A. M. W. *Which abelian groups can support a directed, interpolation order?*, 395.

Hall, Japheth, Jr. *The independence of certain axioms of structures in sets*, 317.

Johnson, Johnny A. *Union conditions in Noether lattices*, 391.

Metcalf, F. T. and Payne, T. H. *On the existence of fixed points in a totally ordered set*, 441.

Steinberg, Stuart A. *An embedding theorem for commutative lattice-ordered domains*, 409.

Subramanian, H. *Principal ideals in the ideal lattice*, 445.

08. General Mathematical Systems

Hall, Japheth, Jr. *The independence of certain axioms of structures in sets*, 317.

10. Number Theory

Apostol, Tom M. *Dirichlet L-functions and primitive characters*, 384.

Berndt, Bruce C. *The functional equation of some Dirichlet series.* II, 24.

*Sato, Daihachiro. *Algebraic solution of* $x^y=y^x$ $(0<x<y)$, 316.

12. Algebraic Number Theory, Field Theory and Polynomials

Boyd, David W. and Kisilevsky, H. *On the exponent of the ideal class groups of complex quadratic fields*, 433.

Brown, Ezra. *The class number of* $Q(\sqrt{-p})$, *for* $p\equiv 1 \pmod 8$ *a prime*, 381.

Cozzens, John and Johnson, Joseph. *Some applications of differential algebra to ring theory*, 354.

Eakin, Paul. *A note on finite dimensional subrings of polynomial rings*, 75.

Fredman, M. L. *The distribution of absolutely irreducible polynomials in several indeterminates*, 387.

Mordeson, J. N. and Vinograde, B. *Separating p-bases and transcendental extension fields*, 417.

Thaler, A. I. *A nonarchimedean theory of analytic continuation in several variables*, 61.

13. Commutative Rings and Algebras

Brewer, James W. and Rutter, Edgar A. *A note on finitely generated ideals which are locally principal*, 429.

Brown, David E. and Larsen, Max D. *Separation of nonassociates by valuations*, 326.

Lu, Chin-Pi. *A generalization of Mori's theorem*, 373.

Ogus, Arthur and Bergman, George. *Nakayama's Lemma for half-exact functors*, 67.

Roggenkamp, Klaus W. *An extension of the Noether-Deuring theorem*, 423.

Subramanian, H. *Principal ideals in the ideal lattice*, 445.

14. Algebraic Geometry

Ogus, Arthur and Bergman, George. *Nakayama's Lemma for half-exact functors*, 67.

15. Linear and Multilinear Algebras; Matrix Theory (finite and infinite)

Gibson, P. M. *Localization of the zeros of the permanent of a characteristic matrix*, 18.

Jones, John, Jr. *Solution of certain matrix equations*, 333.

Merris, Russell and Pierce, Stephen. *Monotonicity of positive semidefinite hermitian matrices*, 437.

Osborn, Howard. *Representations of Euler classes*, 340.

Plemmons, R. J. and Cline, R. E. *The generalized inverse of a nonnegative matrix*, 46.

16. Associative Rings and Algebras

Beauregard, Raymond A. *Localization in a principal right ideal domain*, 21.

Bruning, L. M. and Leavitt, W. G. *Erratum to "Minimal generating sets for free modules"*, 638.

Cozzens, John and Johnson, Joseph. *Some applications of differential algebra to ring theory*, 354.

Eakin, Paul. *A note on finite dimensional subrings of polynomial rings*, 75.

Golan, Jonathan S. *Characterization of rings using quasiprojective modules.* III, 401.

Lewin, Jacques. *A note on zero divisors in group-rings*, 357.

Miller, Robert W. and Turnidge, Darrell R. *Morita duality for endomorphism rings*, 91.

Montgomery, Susan. *Algebraic algebras with involution*, 368.

Newman, Kenneth. *Constructing sequences of divided powers*, 32

Passman, D. S. *Minimal ideals in group rings*, 81.

———. *Group rings satisfying a polynomial identity.* III, 87.

Roggenkamp, Klaus W. *An extension of the Noether-Deuring theorem*, 423.

Sandomierski, F. L. *Modules over the endomorphism ring of a finitely generated projective module*, 27.

Steinberg, Stuart A. *An embedding theorem for commutative lattice-ordered domains*, 409.

Stewart, Patrick N. *Divinsky's radical*, 347.

17. Nonassociative Rings and Algebras

Chaffer, Robert A. *On algebras satisfying the identity* $(yx)x+x(xy)=2(xy)x$, 376.

Gross, Fletcher. *Finite automorphic algebras over* GF(2), 10.

Myung, Hyo Chul. *A note on Lie-admissible nilalgebras*, 95.

Scribner, D. R. *The Lie algebra of the structure group of a power-associative algebra*, 363.

18. Category Theory, Homological Algebra

Elman, Richard and Lam, T. Y. *Determination of* k_n $(n \geqq 3)$ *for global fields*, 427.

20. Group Theory and Generalizations

Chein, Orin. *Induced automorphisms of free metabelian groups*, 1.

Gupta, C. K. and Gupta, N. D. *On groups of exponent four.* II, 360.

Newman, Morris. *2-generator groups and parabolic class numbers*, 51.

Schacher, Murray M. *More on the Schur subgroup*, 15.

Stringall, Robert W. *Primary modules determined by indecomposable idempotent endomorphisms*, 54.

Wong, James C. S. *Invariant means on locally compact semigroups*, 39.

B. Analysis

28. Measure and Integration

Gowrisankaran, Kohur. *Measurability of functions in product spaces*, 485.

*Ramachandran, D. *A note on finitely additive set functions*, 314.

30. Functions of a Complex Variable

Duren, P. L. and Shapiro, H. S. *Interpolation in H^p spaces*, 162.

Jenkins, James A. *A remark on "pairs" of regular functions*, 119.

Miller, James. *Starlike meromorphic functions*, 446.

Srivastava, H. M. *Remark on some integrals involving products of Whittaker functions*, 133.

31. Potential Theory

Nakai, Mitsuru and Sario, Leo. *Quasiharmonic classification of Riemannian manifolds*, 165.

32. Several Complex Variables and Analytic Spaces

Jacewicz, Chester Alan. *A nonprincipal invariant subspace of the Hardy space on the torus*, 127.

33. Special Functions

Srivastava, H. M. *Remark on some integrals involving products of Whittaker functions*, 133.

Srivastava, H. M. and Singhal, J. P. *Some extensions of the Mehler formula*, 135.

34. Ordinary Differential Equations

Etgen, Garret J. *A note on two point boundary problems for nonlinear matrix differential systems*, 213.

Fennell, R. E. and Proctor, T. G. *On asymptotic behavior of perturbed nonlinear systems*, 499.

Haddock, John R. *A remark on a stability theorem of M. Marachkoff*, 209.

Kreith, Kurt. *A Prüfer transformation for nonselfadjoint systems*, 147.

Proctor, T. G. *Periodic solutions for perturbed nonlinear differential equations*. II, 219.

*Ristroph, Robert. *Pólya's Property* W *and factorization—A short proof*, 631.

Seifert, George. *On almost periodic solutions for undamped systems with almost periodic forcing*, 104.

Travis, Curtis C. *Oscillation theorems for second-order differential equations with functional arguments*, 199.

Zauderer, Erich. *A uniform asymptotic turning point theory for second order linear ordinary differential equations*, 489.

Zettl, Anton. *Factorization and disconjugacy of third order differential equations*, 203.

35. Partial Differential Equations

Coffman, Charles V. *On the bifurcation theory of semilinear elliptic eigenvalue problems*, 170.

Greenfield, Stephen J. *Hypoelliptic vector fields and continued fractions*, 115.

Greenfield, Stephen J. and Wallach, Nolan R. *Global hypoellipticity and Liouville numbers*, 112.

39. Finite Differences and Functional Equations

Buck, R. C. *On the functional equation $\phi(x)=g(x)\phi(\beta(x))+u(x)$*, 159.

40. Sequences, Series, Summability

Diamond, Harold G. *On a tauberian theorem of Wiener and Pitt*, 152.

41. Approximations and Expansions

Shuchat, Alan H. *Approximation of vector-valued continuous functions*, 97.

42. Fourier Analysis

Greenfield, Stephen J. *Hypoelliptic vector fields and continued fractions*, 115.

Greenfield Stephen J. and Wallach, Nolan R. *Global hypoellipticity and Liouville numbers*, 112.

Kanter, Marek. *A representation theorem for L^p spaces*, 472.

Mandrekar, V. and Salehi, H. *On a factorization theorem of D. Lowdenslager*, 185.

Moore, Berrien III, *Erratum to "The Szegö infimum"*, 638.

Newman, D. J. *A new l_1 estimate and a problem of Katznelson*, 225.

Wong, James C. S. *Invariant means on locally compact semigroups*, 39.

43. Abstract Harmonic Analysis

*Bachelis, G. F., Parker, W. A. and Ross, K. A. *Local units in $L^1(G)$*, 312.

Dunkl, Charles F. and Ramirez, Donald E. *Bounded projections on Fourier-Stieltjes transforms*, 122.

Greenfield, Stephen J. *Hypoelliptic vector fields and continued fractions*, 115.

Greenfield Stephen J. and Wallach, Nolan R. *Global hypoellipticity and Liouville numbers*, 112.

Renaud, P. F. *Equivalent types of invariant means on locally compact groups*, 495.

Salehi, Habib. *Stone's theorem for a group of unitary operators over a Hilbert space*, 480.

44. Integral Transforms, Operational Calculus

Srivastava, H. M. *Remark on some integrals involving products of Whittaker functions*, 133.

45. Integral Equations

Clancey, Kevin. *On the smoothness of eigenfunctions of hyponormal singular integral operators*, 475.

Nelson, Paul, Jr. *Positive solutions of positive linear equations*, 453.

46. Functional Analysis

Davis, William J. and Lindenstrauss, Joram. *On total nonnorming subspaces*, 109.

Jacewicz, Chester Alan. *A nonprincipal invariant subspace of the Hardy space on the torus*, 127.

Kanter, Marek. *A representation theorem for L^p spaces*, 472.

Lal, Nand and Merrill, Samuel III, *Isometries of H^p spaces of the torus*, 465.

Lewis, D. R. *Spaces on which each absolutely summing map is nuclear*, 195.

Malviya, B. D. and Tomiuk, B. J. *Multiplier operators on B^*-algebras*, 505.

Moore, Berrien III. *Erratum to "The Szegö infimum"*, 638.

Saworotnow, Parfeny P. *Generalized positive linear functionals on a Banach algebra with an involution*, 299.

Saworotnow, Parfeny P. and Giellis, George R. *Continuity and linearity of centralizers on a complemented algebra*, 142.

Shuchat, Alan H. *Approximation of vector-valued continuous functions*, 97.

47. Operator Theory

Foiaş, Ciprian and Williams, J. P. *Some remarks on the Volterra operator*, 177.

Hagopian, Charles L. *Another fixed point theorem for plane continua*, 627.

Halmos, P. R. *Continuous functions of Hermitian operators*, 130.

Jacewicz, Chester Alan. *A nonprincipal invariant subspace of the Hardy space on the torus*, 127.

Metcalf, F. T. and Payne, T. H. *On the existence of fixed points in a totally ordered set*, 441.

Moore, Berrien III. *Erratum to "The Szegö infimum"*, 638.

Nelson, Paul, Jr. *Positive solutions of positive linear equations*, 453.

Petryshyn, W. V. *Note on the structure of fixed point sets of* 1*-set-contractions*, 189.
Putnam, C. R. *The spectra of unbounded hyponormal operators*, 458.
Salehi, Habib. *Stone's theorem for a group of unitary operators over a Hilbert space*, 480.

C. Applied Mathematics

90. Economics, Operations Research, Programming, Games
Lapidot, Eitan. *The counting vector of a simple game*, 228.

D. Geometry

50. Geometry
Krauss, Peter. *Extending congruence relations*, 517.
Valentine, Joseph E. and Wayment, Stanley G. *Metric transforms and the hyperbolic four point property*, 232.
52. Convex Sets and Geometric Inequalities
Kalmanson, Kenneth. *Dual necklaces of n-dimensional cubes*, 511.
Valentine, Joseph E. and Wayment, Stanley G. *Metric transforms and the hyperbolic four point property*, 232.
53. Differential Geometry
*do Carmo, M. and Lawson, B. *Spherical images of convex surfaces*, 635.
Chen, Bang-yen. *Minimal surfaces in* S^m *with Gauss curvature* $\leqq 0$, 235.

E. Logic and Foundations

02. Logic and Foundations
Lucas, Th. *Equations in the theory of monadic algebras*, 239.
Moschovakis, Yiannis N. *The game quantifier*, 245.
Phillips, R. G. and Sperry, P. L. *Elementary extensions of linear topological abelian groups*, 525.
Tanaka, Hisao. *A property of arithmetic sets*, 521.

F. Statistics and Probability

60. Probability Theory and Stochastic Processes
Kanter, Marek. *A representation theorem for* L^p *spaces*, 472.
LePage, Raoul D. and Mandrekar, V. *Equivalence-singularity dichotomies from zero-one laws*, 251.

G. Topology

22. Topological Groups, Lie Groups
*Hulanicki, A. and Pytlik, T. *On cyclic vectors of induced representations*, 633.
Morris, Sidney A. *Quotient groups of topological groups with no small subgroups*, 625.
Robbie, Desmond A. *Ordered power associative groupoids*, 285.
Saworotnow, Parfeny P. *Generalized positive linear functionals on a Banach algebra with an involution*, 299.
Wong, James C. S. *Invariant means on locally compact semigroups*, 39.
54. General Topology
De Marco, G. *On the countably generated z-ideals of* $C(X)$, 574.
Gariepy, Ronald and Pepe, W. D. *On the level sets of a distance function in a Minkowski space*, 255.
Hagopian, Charles L. *Another fixed point theorem for plane continua*, 627.
Harris, Douglas, *The Wallman compactification is an epireflection*, 265.

Janos, Ludvik, *A metric characterization of zero-dimensional spaces*, 268.
Lozier, F. W. *A compactification of locally compact spaces*, 577.
Miller, Gary Glenn. *Sets accessible at each point only by wild arcs*, 583.
———. *Rigid pairs of long arcs*, 591.
Nishiura, Togo and Rhee, Choon-Jai. *The hyperspace of a pseudoarc is a Cantor manifold*, 550.
Noble, N. *Products of uncountably many k-spaces*, 609.
———. *C-embedded subsets of products*, 613.
Pettey, Dix H. *One-to-one mappings*, 276.
Richardson, G. D. and Kent, D. C. *Regular compactifications of convergence spaces*, 571.
Shirley, E. D. *Semilocal connectedness and cut points in metric continua*, 291.
Smithson, R. E. *Fixed point theorems for certain classes of multifunctions*, 595.
Williams, Stephen A. *An index for set-valued maps in infinite-dimensional spaces*, 557.

55. Algebraic Topology

Chen, Yuh-Ching. *On Spanier's higher order operations*, 601.
Croom, F. H. *A product theorem for H-group fibrations*, 543.
Curtis, W. D. *A commutative diagram and an application to differentiable transformation groups*, 260.
Hagopian, Charles L. *Another fixed point theorem for plane continua*, 627.
Holzsager, Richard. *Stable splitting of $K(G, 1)$*, 305.
Landweber, Peter S. *Equivariant bordism and cyclic groups*, 564.
Lin, T. Y. *Inadequacy of ordinary homology theory*, 617.
Miller, Gary Glenn. *Sets accessible at each point only by wild arcs*, 583.
Porter, Don. *An algebraic proof that $[\Omega^U]_* = \mathfrak{N}^*$*, 605.
Sigmon, Kermit. *A strong homotopy axiom for Alexander cohomology*, 271.
Sikkema, Carl D. *Pseudo-isotopies of arcs and knots*, 615.
Smith, Larry. *Manifolds with few cells and the stable homotopy of spheres*, 279.
*Sutherland, W. A. *Vanishing of Stiefel-Whitney classes*, 637.
Ucci, Jack. *A note on fixed point free involutions and equivariant maps*, 297.
Ummel, Brian R. *Some examples relating the deleted product to imbeddability*, 307.
West, Robert W. *H-spaces which are co-H-spaces*, 580.

57. Manifolds and Cell Complexes

Alexander, J. C. *The bordism ring of manifolds with involution*, 536.
Anderson, Douglas R. *The Wall invariant of certain S^1 bundles*, 529.
Casler, B. G. *A decomposition theorem for closed compact connected P.L. n-manifolds*, 623.
Curtis, W. D. *A commutative diagram and an application to differentiable transformation groups*, 260.
Hagopian, Charles L. *Another fixed point theorem for plane continua*, 627.
Osborn, Howard. *Representations of Euler classes*, 340.
Porter, Don. *An algebraic proof that $[\Omega^U]_* = \mathfrak{N}^*$*, 605.
Ummel, Brian R. *Some examples relating the deleted product to imbeddability*, 307.

58. Global Analysis, Analysis on Manifolds

Gibbons, Joel C. *A note on one-dimensional attracting sets in the three-sphere*, 620.
Osborn, Howard. *Representations of Euler classes*, 340.
*Suffridge, T. J. *A holomorphic function having a discontinuous inverse*, 629.

AUTHOR INDEX

*Starred items are "Shorter Notes"

Alexander, J. C. *The bordism ring of manifolds with involution*, 536.
Anderson, Douglas R. *The Wall invariant of certain S^1 bundles*, 529.
Apostol, Tom M. *Dirichlet L-functions and primitive characters*, 384.
* Bachelis, G. F., Parker, W. A. and Ross, K. A. *Local units in $L^1(G)$*, 312.
Beauregard, Raymond A. *Localization in a principal right ideal domain*, 21.
Bergman, George. See Ogus, Arthur.
Berndt, Bruce C. *The functional equation of some Dirichlet series*. II, 24.
Boyd, David W. and Kisilevsky, H. *On the exponent of the ideal class groups of complex quadratic fields*, 433.
Brewer, James W. and Rutter, Edgar A. *A note on finitely generated ideals which are locally principal*, 429.
Brown, David E. and Larsen, Max D. *Separation of nonassociates by valuations*, 326.
Brown, Ezra. *The class number of $Q(\sqrt{-p})$, for $p \equiv 1 \pmod 8$ a prime*, 381.
Bruning, L. M. and Leavitt, W. G. *Erratum to "Minimal generating sets for free modules"*, 638.
Buck, R. C. *On the functional equation $\phi(x)=g(x)\phi(\beta(x))+u(x)$*, 159.
* do Carmo, M. and Lawson, B. *Spherical images of convex surfaces*, 635.
Casler, B. G. *A decomposition theorem for closed compact connected P.L. n-manifolds*, 623.
Chaffer, Robert A. *On algebras satisfying the identity $(yx)x+x(xy)=2(xy)x$*, 376.
Chein, Orin. *Induced automorphisms of free metabelian groups*, 1.
Chen, Bang-yen. *Minimal surfaces in S^m with Gauss curvature $\leqq 0$*, 235.
Chen, Yuh-Ching. *On Spanier's higher order operations*, 601.
Clancey, Kevin. *On the smoothness of eigenfunctions of hyponormal singular integral operators*, 475.
Cline, R. E. See Plemmons, R. J.
Coffman, Charles V. *On the bifurcation theory of semilinear elliptic eigenvalue problems*, 170.
Cozzens, John and Johnson, Joseph. *Some applications of differential algebras to ring theory*, 354.
Croom, F. H. *A product theorem for H-group fibrations*, 543.
Curtis, W. D. *A commutative diagram and an application to differentiable transformation groups*, 260.
Davis, William J. and Lindenstrauss, Joram. *On total nonnorming subspaces*, 109.
De Marco, G. *On the countably generated z-ideals of $C(X)$*, 574.
DeMarr, Ralph and Steger, Arthur. *On elements with negative squares*, 57.
Diamond, Harold G. *On a tauberian theorem of Wiener and Pitt*, 152.
Dunkl, Charles F. and Ramirez, Donald E. *Bounded projections on Fourier-Stieltjes transforms*, 122.
Duren, P. L. and Shapiro, H. S. *Interpolations in H^p spaces*, 162.
Eakin, Paul. *A note on finite dimensional subrings of polynomial rings*, 75.
Elman, Richard and Lam, T. Y. *Determination of k_n $(n \geqq 3)$ for global fields*, 427.
Etgen, Garret J. *A note on two point boundary problems for nonlinear matrix differential systems*, 213.
Fennell, R. E. and Proctor, T. G. *On asymptotic behavior of perturbed nonlinear systems*, 499.

Foiaş, Ciprian and Williams, J. P. *Some remarks on the Volterra operator*, 177.
Fredman, M. L. *The distribution of absolutely irreducible polynomials in several indeterminates*, 387.
Gariepy, Ronald and Pepe, W. D. *On the level sets of a distance function in a Minkowski space*, 255.
Gibbons, Joel C. *A note on one-dimensional attracting sets in the three-sphere*, 620.
Gibson, P. M. *Localization of the zeros of the permanent of a characteristic matrix*, 18.
Giellis, George R. See Saworotnow, Parfeny P.
Glass, A. M. W. *Which abelian groups can support a directed, interpolation order?*, 395.
Golan, Jonathan S. *Characterization of rings using quasiprojective modules*. III, 401.
Gowrisankaran, Kohur. *Measurability of functions in product spaces*, 485.
Greenfield, Stephen J. *Hypoelliptic vector fields and continued fractions*, 115.
Greenfield, Stephen J. and Wallach, Nolan R. *Global hypoellipticity and Liouville numbers*, 112.
Gross, Fletcher. *Finite automorphic algebras over* GF(2), 10.
Gupta, C. K. and Gupta, N. D. *On groups of exponent four*. II, 360.
Gupta, N. D. See Gupta, C. K.
Haddock, John R. *A remark on a stability theorem of M. Marachkoff*, 209.
Hagopian, Charles L. *Another fixed point theorem for plane continua*, 627.
Hall, Japheth, Jr. *The independence of certain axioms of structures in sets*, 317.
Halmos, P. R. *Continuous functions of Hermitian operators*, 130.
Harris, Douglas. *The Wallman compactification is an epireflection*, 265.
Holzsager, Richard. *Stable splitting of* $K(G, 1)$, 305.
* Hulanicki, A. and Pytlik, T. *On cyclic vectors of induced representations*, 633.
Jacewicz, Chester Alan. *A nonprincipal invariant subspace of the Hardy space on the torus*, 127.
Janos, Ludvik. *A metric characterization of zero-dimensional spaces*, 268.
Jenkins, James A. *A remark on "pairs" of regular functions*, 119.
Johnson, Johnny A. *Union conditions in Noether lattices*, 391.
Johnson, Joseph. See Cozzens, John.
Jones, John, Jr. *Solutions of certain matrix equations*, 333.
Kalmanson, Kenneth. *Dual necklaces of n-dimensional cubes*, 511.
Kanter, Marek. *A representation theorem for* L^p *spaces*, 472.
Kent, D. C. See Richardson, G. D.
Kisilevsky, H. See Boyd, David W.
Krauss, Peter. *Extending congruence relations*, 517.
Kreith, Kurt. *A Prüfer transformation for nonselfadjoint systems*, 147.
Lal, Nand and Merrill, Samuel III. *Isometries of* H^p *spaces of the torus*, 465.
Lam, T. Y. See Elman, Richard.
Landweber, Peter S. *Equivariant bordism and cyclic groups*, 564.
Lapidot, Eitan. *The counting vector of a simple game*, 228.
Larsen, Max D. See Brown, David E.
Lawson, B. See do Carmo, M.
Leavitt, W. G. See Bruning, L. M.
LePage, Raoul D. and Mandrekar, V. *Equivalence-singularity dichotomies from zero-one laws*, 251.
Lewin, Jacques. *A note on zero divisors in group-rings*, 357.
Lewis, D. R. *Spaces on which each absolutely summing map is nuclear*, 195.
Lin, T. Y. *Inadequacy of ordinary homology theory*, 617.
Lindenstrauss, Joram. See Davis, William J.

Lozier, F. W. *A compactification of locally compact spaces*, 577.
Lu, Chin-Pi. *A generalization of Mori's theorem*, 373.
Lucas, Th. *Equations in the theory of monadic algebras*, 239.
Malviya, B. D. and Tomiuk, B. J. *Multiplier operators on B*-algebras*, 505.
Mandrekar, V. and Salehi, H. *On a factorization theorem of D. Lowdenslager*, 185.
Mandrekar, V. See LePage, Raoul D.
Merrill, Samuel III. See Lal, Nand.
Merris, Russell and Pierce, Stephen. *Monotonicity of positive semidefinite hermitian matrices*, 437.
Metcalf, F. T. and Payne, T. H. *On the existence of fixed points in a totally ordered set*, 441.
Miller, Gary Glenn. *Sets accessible at each point only by wild arcs*, 583.
———. *Rigid pairs of long arcs*, 591.
Miller, James. *Starike meromorphic functions*, 446.
Miller, Robert W. and Turnidge, Darrell R. *Morita duality for endomorphism rings*, 91.
Montgomery, Susan. *Algebraic algebras with involution*, 368.
Moore, Berrien III. *Errata to "The Szegö infimum"*, 638.
Mordeson, J. N. and Vinograde, B. *Separating p-bases and transcendental extension fields*, 417.
Morris, Sidney A. *Quotient groups of topological groups with no small subgroups*, 625.
Moschovakis, Yiannis N. *The game quantifier*, 245.
Myung, Hyo Chul. *A note on Lie-admissible nilalgebras*, 95.
Nakai, Mitsuru and Sario, Leo. *Quasiharmonic classification of Riemannian manifolds*, 165.
Nelson, Paul, Jr. *Positive solutions of positive linear equations*, 453.
Newman, D. J. *A new l_1 estimate and a problem of Katznelson*, 225.
Newman, Kenneth. *Constructing sequences of divided powers*, 32.
Newman, Morris. *2-generator groups and parabolic class numbers*, 51.
Nishiura, Togo and Rhee, Choon-Jai. *The hyperspace of a pseudoarc is a Cantor manifold*, 550.
Noble, N. *Products of uncountably many k-spaces*, 609.
———. *C-embedded subsets of products*, 613.
Ogus, Arthur and Bergman, George. *Nakayama's Lemma for half-exact functors*, 67.
Osborn, Howard. *Representations of Euler classes*, 340.
Parker, W. A. See Bachelis, G. F.
Passman, D. S. *Minimal ideals in group rings*, 81.
———. *Group rings satisfying a polynomial identity*. III, 87.
Payne, T. H. See Metcalf, F. T.
Pepe, W. D. See Gariepy, Ronald.
Petryshyn, W. V. *Note on the structure of fixed point sets of 1-set-contractions*, 189.
Pettey, Dix H. *One-to-one mappings*, 276.
Phillips, R. G. and Sperry, P. L. *Elementary extensions of linear topological abelian groups*, 525.
Pierce, Stephen. See Merris, Russell.
Plemmons, R. J. and Cline, R. E. *The generalized inverse of a nonnegative matrix*, 46.
Porter, Don. *An algebraic proof that $[\Omega^G]_3=\mathfrak{R}^3$*, 605.
Proctor, T. G. *Periodic solutions for perturbed nonlinear differential equations*. II, 219.
———. See Fennell, R. E.
Putnam, C. R. *The spectra of unbounded hyponormal operators*, 458.
Pytlik, T. See Hulanicki, A.

* Ramachandran, D. *A note on finitely additive set functions*, 314.
Ramirez, Donald E. See Dunkl, Charles F.
Renaud, P. F. *Equivalent types of invariant means on locally compact groups*, 495.
Rhee, Choon-Jai. See Nishiura, Togo.
Richardson, G. D. and Kent, D. C. *Regular compactifications of convergence spaces*, 571.
* Ristroph, Robert. *Pólya's Property W and factorization—A short proof*, 631.
Robbie, Desmond A. *Ordered power associative groupoids*, 285.
Roggenkamp, Klaus W. *An extension of the Noether-Deuring theorem*, 423.
Ross, K. A. See Bachelis, G. F.
Rutter, Edgar A. See Brewer, James W.
Salehi, Habib. *Stone's theorem for a group of unitary operators over a Hilbert space*, 480.
———. See Mandrekar, V.
Sandomierski, F. L. *Modules over the endomorphism ring of a finitely generated projective module*, 27.
Sario, Leo. See Nakai, Mitsuru.
* Sato, Daihachiro. *Algebraic solution of $x^y=y^x$ $(0<x<y)$*, 316.
Saworotnow, Parfeny P. *Generalized positive linear functionals on a Banach algebra with an involution*, 299.
Saworotnow, Parfeny P. and Giellis, George R. *Continuity and linearity of centalizers on a complemented algebra*, 142.
Schacher, Murray M. *More on the Schur subgroup*, 15.
Scribner, D. R. *The Lie algebra of the structure group of a power-associative algebra*, 363.
Seifert, George. *On almost periodic solutions for undamped systems with almost periodic forcing*, 104.
Shapiro, H. S. See Duren, P. L.
Shirley, E. D. *Semi-local connectedness and cut points in metric continua*, 291.
Shuchat, Alan H. *Approximation of vector-valued continuous functions*, 97.
Sigmon, Kermit. *A strong homotopy axiom for Alexander cohomology*, 271.
Sikkema, Carl D. *Pseudo-isotopies of arcs and knots*, 615.
Singhal, J. P. See Srivastava, H. M.
Smith, Larry. *Manifolds with few cells and the stable homotopy of spheres*, 279.
Smithson, R. E. *Fixed point theorems for certain classes of multifunctions*, 595.
Sperry, P. L. See Phillips, R. G.
Srivastava, H. M. *Remark on some integrals involving products of Whittaker functions*, 133.
Srivastava, H. M. and Singhal, J. P. *Some extensions of the Mehler formula*, 135.
Steger, Arthur. See DeMarr, Ralph.
Steinberg, Stuart A. *An embedding theorem for commutative lattice-ordered domains*, 409.
Stewart, Patrick N. *Divinsky's radical*, 347.
Stringall, Robert W. *Primary modules determined by indecomposable idempotent endomorphisms*, 54.
Subramanian, H. *Principal ideals in the ideal lattice*, 445.
* Suffridge, T. J. *A holomorphic function having a discontinuous inverse*, 629.
* Sutherland, W. A. *Vanishing of Stiefel-Whitney classes*, 637.
Tanaka, Hisao. *A property of arithmetic sets*, 521.
Thaler, A. I. *A nonarchimedean theory of analytic continuation in several variables*, 61.
Tomiuk, B. J. See Malviya, B. D.
Travis, Curtis C. *Oscillation theorems for second-order differential equations with functional arguments*, 199.
Turnidge, Darrell R. See Miller, Robert W.

Ucci, Jack. *A note on fixed point free involutions and equivariant maps*, 297.
Ummel, Brian R. *Some examples relating the deleted product to imbeddability*, 307.
Valentine, Joseph E. and Wayment, Stanley G. *Metric transforms and the hyperbolic four point property*, 232.
Vinograde, B. See Mordeson, J. N.
Wallach, Nolan R. See Greenfield, Stephen J.
Wayment, Stanley G. See Valentine, Joseph E.
West, Robert W. *H-spaces which are co-H-spaces*, 580.
Williams, J. P. See Foiaş, Ciprian.
Williams, Stephen A. *An index for set-valued maps in infinite-dimensional spaces*, 557.
Wong, James C. S. *Invariant means on locally compact semigroups*, 39.
Zauderer, Erich. *A uniform asymptotic turning point theory for second order linear ordinary differential equations*, 489.
Zettl, Anton. *Factorization and disconjugacy of third order differential equations*, 203.